

## WHAT IS CLAIMED IS:

1. A bolt tightening structure of a magnesium alloy member for  
tightening magnesium alloy members with each other or a magnesium  
5 alloy member and a heterogeneous material by means of a bolt, wherein a  
cationic electrodeposition coating having a film thickness of  $15\text{ }\mu\text{m}$  or  
more is provided at least on the surface of said magnesium alloy member  
contacting with a bolt head, a powder coating having a film thickness of 40  
to  $150\text{ }\mu\text{m}$  is provided on the surface of said cationic electrodeposition  
10 coating, zinc-nickel plating and then cosmer treatment are carried out on  
said bolts, and an alumite-treated aluminum washer is interposed between  
said bolt head and said magnesium alloy member.
2. A bolt tightening structure of a magnesium alloy member in  
15 accordance with claim 1, wherein the thickness of an alumite layer on said  
alumite-treated aluminum washer is  $10\text{ }\mu\text{m}$  or more.
3. A bolt tightening structure of a magnesium alloy member for  
tightening magnesium alloy members with each other or a magnesium  
20 alloy member and a heterogeneous material by means of a bolt, wherein a  
cationic electrodeposition coating having a film thickness of  $15\text{ }\mu\text{m}$  or  
more is provided at least on the surface of said magnesium alloy member  
contacting with a bolt head, a powder coating having a film thickness of 40  
to  $150\text{ }\mu\text{m}$  is provided on the surface of said cationic electrodeposition

coating, zinc-nickel plating and then cosmer treatment are carried out on said bolts, and an iron or aluminum alloy washer coated by a cationic electrodeposition coating having a film thickness of 15  $\mu\text{m}$  or more is interposed between said bolt head and said magnesium alloy member.

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4. A bolt tightening structure of a magnesium alloy member in accordance with claim 1, wherein chromate treatment is carried out on said bolt after said zinc-nickel plating and before said cosmer treatment, and any one of chromate treatment, chrome phosphate treatment, and  
10 manganese phosphate treatment is carried out on said magnesium alloy member before providing said cationic electrodeposition coating.

5. A bolt tightening structure of a magnesium alloy member in accordance with claim 2, wherein chromate treatment is carried out on said  
15 bolt after said zinc-nickel plating and before said cosmer treatment, and any one of chromate treatment, chrome phosphate treatment, and manganese phosphate treatment is carried out on said magnesium alloy member before providing said cationic electrodeposition coating.

20 6. A bolt tightening structure of a magnesium alloy member in accordance with claim 3, wherein chromate treatment is carried out on said bolt after said zinc-nickel plating and before said cosmer treatment, and any one of chromate treatment, chrome phosphate treatment, and manganese phosphate treatment is carried out on said magnesium alloy

member before providing said cationic electrodeposition coating.

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